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Docket No.: 19603/4040 (CRF D-2630)

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Vision et al.

Serial No. : 10/023,337

Cnfrm. No. : 5690

Filed : December 17, 2001

For : SOLID PHASE DETECTION OF NUCLEIC
ACID MOLECULES

Examiner:
Unknown

Art Unit:
1645

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§ 1.97-1.98

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 CFR §§ 1.97-1.98, applicants hereby bring to the attention of the United States Patent and Trademark Office, the enclosed references listed on the attached PTO-1449 form.

Pursuant to 37 CFR § 1.97(b)(3), no fee is required. Should it be determined that a fee is required, the Commissioner is authorized to charge any additional fee to deposit account no. 14-1138.

Respectfully submitted,

Date: March 7, 2002

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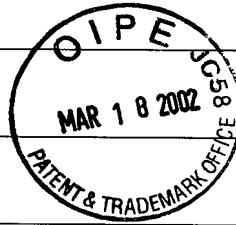
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Jo Ann Whalen

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	19603/4040 (CRF D-2630)	10/023,337
	APPLICANT	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
	1	5,582,970	12/10/1996	Wallace			
	2	5,747,251	05/05/1998	Carson et al.			
	3	5,928,869	07/27/1999	Nadeau et al.			
	4	5,948,618	09/07/1999	Oka et al.			
	5	6,043,031	03/28/2000	Köster			
	6	6,235,480 B1	05/22/2001	Shultz et al.			
	7	5,679,524	10/21/1997	Nikiforov et al.			
	8	5,952,174	09/14/1999	Nikiforov et al.			
	9	6,117,635	09/12/2000	Nazarenko et al.			
	10	6,221,604 B1	04/24/2001	Upadhyay et al.			
	11	6,180,408 B1	01/30/2001	Kwok et al.			

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
	12 /	WO 95/02068 (English abstract)	01/19/1995	PCT			
	13 /	WO 98/02574 (English abstract)	01/22/1998	PCT			
	14 /	WO 98/12539	03/26/1998	PCT			
	15 /	WO 99/11813	03/11/1999	PCT			
	16 /	WO 99/35293	07/15/1999	PCT			
	17 /	EP 0 745 690 A2	12/04/1996	Europe			
	18 /	EP 0 805 212 A1	11/05/1997	Europe			
	19 /	EP 0 933 431 A1	08/04/1999	Europe			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	20	Térouanne et al., "Quantitative and Qualitative Analysis of Amplified DNA Sequences by a Competitive Hybridization Assay," <u>Analytical Biochemistry</u> 205:193-199 (1992)
EXAMINER		DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
	21	6,136,962	10/24/2000	Shi et al.			
	22	6,074,831	06/13/2000	Yakhini et al.			
	23	6,090,552	07/18/2000	Nazarenko et al.			
	24	6,221,635 B1	04/24/2001	Rovera et al.			
	25	5,942,609	08/24/1999	Hunkapiller et al.			
	26	4,659,774	04/21/1987	Webb et al.			
	27	6,187,566 B1	02/13/2001	Dattagupta et al.			
	28	6,159,695	12/12/2000	McGovern et al.			
	29	6,169,194 B1	01/02/2001	Thompson et al.			
	30	5,614,622	03/25/1997	Iyer et al.			
	31	6,174,668 B1	01/16/2001	Cummins et al.			
	32	5,700,642	12/23/1997	Monforte et al.			
	33	6,207,381 B1	03/27/2001	Larsson et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
	34 /	EP 0 362 042 A1	09/25/1989	Europe			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

		35	Hacia et al., "Two Color Hybridization Analysis Using High Density Oligonucleotide Arrays and Energy Transfer Dyes," <u>Nucleic Acids Research</u> , 26:3865-3866 (1998)
		36	Sjöroos et al., "Solid-Phase PCR with Hybridization and Time-Resolved Fluorometry for Detection of <i>HLA-B27</i> ," <u>Clinical Chemistry</u> 47(3):498-504 (2001)
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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRAN- SLATION IF APPRO- PRIATE

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	37	Cotton, R.G.H., "Mutation Detection," Mutation Research Centre, St. Vincent's Hospital, Victoria Australia, Oxford: Oxford University Press, pp. 2-5, 104-107, 162-163, 166-171, 186-193 (1997)
	38	Oka et al., "A Simple Method for Detecting Single Base Substitutions and Its Application to HLA-DPB1 Typing," <u>Nucleic Acids Research</u> 22(9):1541-1547 (1994)
	39	Shchepinov et al., "Steric Factors Influencing Hybridisation of Nucleic Acids to Oligonucleotide Arrays," <u>Nucleic Acids Research</u> 25(6):1155-1161 (1997)
	40	Cotton, R.G.H., "Slowly But Surely Towards Better Scanning for Mutations," <u>Trends in Genetics</u> 13(2):43-46 (1997)
	41	Tanksley et al., "RFLP Mapping in Plant Breeding: New Tools for an Old Science," <u>Bio/Technology</u> 7:257-264 (1989)
	42	Kohsaka et al., "Solid-Phase Polymerase Chain Reaction," <u>Journal of Clinical Laboratory Analysis</u> 8:452-455 (1994)
	43	Landegren et al., "Reading Bits of Genetic Information: Methods for Single-Nucleotide Polymorphism Analysis," <u>Genome Research</u> 8:769-776 (1998)
	44	Maeda et al., "Detection of Clarithromycin-Resistant <i>Helicobacter pylori</i> Strains by a Preferential Homoduplex Formation Assay," <u>Journal of Clinical Microbiology</u> 38(1):210-214 (2000)
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

		45	Hausch et al., "Multifunctional Dinucleotide Analogs for the Generation of Complex RNA Conjugates," <u>Tetrahedron</u> 57:1261-1268 (2001)
		46	Maskos et al., "Oligonucleotide Hybridizations on Glass Supports: A Novel Linker for Oligonucleotide Synthesis and Hybridization Properties of Oligonucleotides Synthesised in situ," <u>Nucleic Acids Research</u> 20(7):1679-1684 (1992)
		47	Bonora et al., "Synthesis by High-Efficiency Liquid-Phase (HELP) Method of Oligonucleotides Conjugated with High-Molecular Weight Polyethylene Glycols (PEGs)," <u>Biological Procedures Online</u> 1(1):59-69 (1998)
		48	Sojka et al., "A Novel Phosphoramidite Method for Automated Synthesis of Oligonucleotides on Glass Supports for Biosensor Development," <u>Appl. Biochem. Biotechnol.</u> 89(1):85-103 (2000)
		49	Guo et al., "Direct Fluorescence Analysis of Genetic Polymorphisms by Hybridization with Oligonucleotide Arrays on Glass Supports," <u>Nucleic Acids Research</u> 22(24):5456-5465 (1994)
		50	Barany, F., "Genetic Disease Detection and DNA Amplification Using Cloned Thermostable Ligase," <u>Proc. Natl. Acad. Sci. USA</u> 88:189-193 (1991)
		51	Gerry et al., "Universal DNA Microarray Method for Multiplex Detection of Low Abundance Point Mutations," <u>J. Mol. Biol.</u> 292:251-262 (1999)
		52	Adessi et al., "Solid Phase DNA Amplification: Characterisation of Primer Attachment and Amplification Mechanisms," <u>Nucleic Acids Research</u> 28(20):e87 (pp. 1-8) (2000)
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